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APPENDIX F

DATA USABILITY SUMMARY TABLE

Table F.1 Data Qualification Summary for Soil Samples from Estabrook School, 117 Grove Street, Lexington, Massachusetts

Sample Delivery Group	Laboratory ID	Sample ID	Map Location	Date Acquired	Sample Depth	Aroclor Concentration (ppm$_w$)									Type of Analytical Data				Data Qualification Action Taken (if applicable)							Data Used For:				
						1016	1221	1232	1242	1248	1254	1260	1262	1268	CAM Compliant	CAM Non-Compliant	Non-CAM	Pre-CAM	Laboratory QA/QC Data Qualifications (if applicable)	High Bias	Low Bias	Data Flagged as Estimated	Data Rejected	Data Used as Reported	Data Qualification Notes	Disposal Site Boundary	Presence or Absence Only	Extent of Contamination	Exposure Point Concentration	Support for RAO
						Result	Result	Result	Result	Result	Result	Result	Result	Result																
135433	135433-10	113734	113734	8/10/2010	0-3"	BRL <4.1	BRL <4.1	BRL <4.1	BRL <4.1	BRL <4.1	7.4	BRL <4.1	BRL <4.1	BRL <4.1	✓				Sample diluted prior to analysis. Surrogate recoveries not measurable due to dilution.	✓		✓		✓	RLs > CAM recommended RLs.			✓[E]		
	135433-11	113735	113735	8/10/2010	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.12	BRL <0.04	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
	135433-12	113736	113736	8/10/2010	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.14	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
	135433-13	113737	113737	8/10/2010	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.13	BRL <0.04	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
	135433-14	113738	113738	8/10/2010	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.13	BRL <0.04	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-01	124581	S1*	6/13/2011	0-3"	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	0.3	0.23	BRL <0.047	BRL <0.047	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-02	124582	S1*	6/13/2011	0-3"	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	0.5	0.36	BRL <0.047	BRL <0.047	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-05	124584	S2	6/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.3	0.17	BRL <0.045	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-06	124585	S2	6/13/2011	0-3"	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	0.23	0.25	BRL <0.044	BRL <0.044	BRL <0.044	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-09	124587	S3	6/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.17	0.11	BRL <0.045	BRL <0.045	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-10	124588	S3	6/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.21	0.13	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-13	124590	S4	6/13/2011	0-3"	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	0.097	0.047	BRL <0.046	BRL <0.046	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-14	124591	S4	6/13/2011	0-3"	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.04	0.08	0.058	BRL <0.044	BRL <0.044	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-17	124593	S5	6/13/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.26	0.18	BRL <0.043	BRL <0.043	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-18	124594	S6	6/13/2011	0-3"	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	0.085	0.063	BRL <0.046	BRL <0.046	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-19RA1	124595	S7	6/13/2011	0-3"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	0.64	0.44	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
142678	142678-20	124598	S8	6/13/2011	0-3"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.16	0.097	BRL <0.042	BRL <0.042	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-21RA1	124597	S9	6/13/2011	0-3"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	0.51	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.	✓				✓
142678	142678-22	124598	S10	6/13/2011	0-3"	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	0.073	BRL <0.044	BRL <0.044	BRL <0.044	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-23	124599	S11	6/13/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.16	0.079	BRL <0.043	BRL <0.043	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-24	124600	S12	6/13/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.1	0.076	BRL <0.043	BRL <0.043	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-25	124601	S13	6/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.35	0.3	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-26	124602	S14	6/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.47	0.32	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-27	124603	S15	6/13/2011	0-3"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.31	0.18	BRL <0.042	BRL <0.042	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-28	124604	S16	6/13/2011	6-9"	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	0.25	0.17	BRL <0.044	BRL <0.044	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-29RA1	124605	S17*	6/13/2011	0-3"	BRL <0.49	BRL <0.49	BRL <0.49	BRL <0.49	BRL <0.49	3.2	1.5	BRL <0.49	BRL <0.49	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
142678	142678-30RA1	124606	S17*	6/13/2011	3-6"	BRL <0.23	BRL <0.23	BRL <0.23	BRL <0.23	BRL <0.23	0.67	BRL <0.23	BRL <0.23	BRL <0.23	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.	✓		✓[E]		✓
142678	142678-31	124607	S18	6/13/2011	0-3"	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	0.38	0.35	BRL <0.046	BRL <0.046	BRL <0.046	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓		✓[E]		✓
142678	142678-32RA1	124608	S19	6/13/2011	0-3"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	0.63	0.44	BRL <0.21	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
142678	142678-33	124609	S20	6/13/2011	0-3"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.18	0.24	BRL <0.042	BRL <0.042	BRL <0.042	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓		✓[E]		✓
142678	142678-34RA1	124610	S21	6/13/2011	0-3"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	0.7	0.59	BRL <0.21	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
142678	142678-35RA1	124611	S22*	6/13/2011	0-3"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	0.93	0.38	BRL <0.21	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
142678	142678-36RA1	124612	S22*	6/13/2011	0-3"	BRL <0.083	BRL <0.083	BRL <0.083	BRL <0.083	0.8	0.61	BRL <0.083	BRL <0.083	BRL <0.083	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
142678	142678-39RA1	124614	S23*	6/13/2011	0-3"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	1.2	0.62	BRL <0.21	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
142678	142678-40RA1	124615	S23*	6/13/2011	0-3"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	0.62	0.52	BRL <0.21	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
[redacted]78	142678-43	124617	S24	6/13/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.43	0.11	BRL <0.041	BRL <0.041	BRL <0.041	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓		✓[E]		✓
[redacted]78	142678-44	124618	S25	6/13/2011	0-3"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.42	BRL <0.042	BRL <0.042	BRL <0.042	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-47	124620	S25	6/13/2011	0-3"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.45	BRL <0.042	BRL <0.042	BRL <0.042	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-48	124621	S26	6/13/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.33	BRL <0.041	BRL <0.041	BRL <0.041	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-49	124624	S27	6/13/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.12	0.21	BRL <0.043	BRL <0.043	BRL <0.043	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-50	124627	S28	6/13/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.29	0.17	BRL <0.043	BRL <0.043	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-51	124628	S29	6/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.05	BRL <0.05	0.16	0.099	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-52	124631	S30	6/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.12	0.079	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-53	124634	S31	6/13/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.14	BRL <0.043	BRL <0.043	BRL <0.043	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-54	124637	S32	6/13/2011	0-3"	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	0.51	0.36	BRL <0.047	BRL <0.047	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	All samples within QC Batch potentially biased high.	✓				✓
142678	142678-55RA1	124640	S33	6/13/2011	0-3"	BRL <0.41	BRL <0.41	BRL <0.41	BRL <0.41	BRL <0.41	1.5	BRL <0.41	BRL <0.41	BRL <0.41	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓	RLs > CAM recommended RLs but still less than Method 1 criteria. All samples within QC Batch potentially biased high.			✓[E]		
142678	142678-56	124643	S34	6/14/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.11	BRL <0.043	BRL <0.043	BRL <0.043	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-57	124644	S34	6/14/2011	3-9"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.064	BRL <0.043	BRL <0.043	BRL <0.043	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-58	124645	S35	6/14/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	0.34	BRL <0.043	BRL <0.043	BRL <0.043	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-59	124646	S35	6/14/2011	3-9"	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	0.1	BRL <0.044	BRL <0.044	BRL <0.044	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-60RA1	124647	S36	6/14/2011	0-3"	BRL <0.24	BRL <0.24	BRL <0.24	BRL <0.24	BRL <0.24	1.3	BRL <0.24	BRL <0.24	BRL <0.24	✓				Sample diluted prior to analysis.					✓	RLs > CAM recommended RLs but still less than Method 1 criteria.			✓[E]		
142678	142678-61	124648	S36	6/14/2011	3-9"	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	0.34	BRL <0.046	BRL <0.046	BRL <0.046	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-62	124649	S37	6/14/2011	0-3"	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	0.3	BRL <0.044	BRL <0.044	BRL <0.044	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-63	124650	S37	6/14/2011	3-9"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-64RA1	124651	S38	6/14/2011	0-3"	BRL <0.24	BRL <0.24	BRL <0.24	BRL <0.24	BRL <0.24	1.2	BRL <0.24	BRL <0.24	BRL <0.24	✓				Sample diluted prior to analysis.					✓	RLs > CAM recommended RLs but still less than Method 1 criteria.			✓[E]		
142678	142678-65RA1	124652	S38	6/14/2011	3-9"	BRL <0.24	BRL <0.24	BRL <0.24	BRL <0.24	BRL <0.24	0.51	BRL <0.24	BRL <0.24	BRL <0.24	✓				Sample diluted prior to analysis.					✓	RLs > CAM recommended RLs but still less than Method 1 criteria.	✓		✓[E]		✓
142678	142678-66	124653	S39	6/14/2011	0-3"	BRL <0.048	BRL <0.048	BRL <0.048	BRL <0.048	BRL <0.048	0.24	0.3	BRL <0.048	BRL <0.048	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-67	124654	S39	6/14/2011	3-9"	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	0.058	0.062	BRL <0.047	BRL <0.047	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-68	124655	S40	6/14/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.14	0.096	BRL <0.045	BRL <0.045	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-69	124346	S41	6/14/2011	0-3"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.11	0.16	BRL <0.042	BRL <0.042	BRL <0.042	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-70	124347	S42	6/14/2011	0-3"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.37	0.12	BRL <0.042	BRL <0.042	BRL <0.042	✓				Surrogate recoveries outside recommended limits. All LCS/LCSD results within acceptable limits.		✓			✓	Only A1248, A1254, and A1260 identified at site. Low surrogate was for tetrachloro-m-xylene which is for Aroclors that elute earlier. Decachlorobiphenyl surrogate is ok. Higher of 2 runs reported. Based on above and LCS/LCSD results, no need to flag as estimated.	✓				✓
142678	142678-71	124348	S43	6/14/2011	0-3"	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	BRL <0.044	0.16	0.14	BRL <0.044	BRL <0.044	✓				Sample had > 40% difference between primary and confirmation columns.			✓		✓	Higher of two columns reported but data flagged as estimated.	✓				✓
142678	142678-72RA1	124349	S44	6/14/2011	0-3"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	0.45	0.31	BRL <0.21	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis.					✓	RLs > CAM recommended RLs but still less than Method 1 criteria.	✓				✓
142678	142678-73	124350	S45	6/14/2011	0-3"	BRL <0.048	BRL <0.048	BRL <0.048	BRL <0.048	BRL <0.048	BRL <0.048	BRL <0.048	BRL <0.048	BRL <0.048	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-74	124351	S46	6/14/2011	0-3"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-75	124352	S47	6/14/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-76	124353	S48	6/14/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-77	124354	S49	6/14/2011	0-3"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.24	0.22	BRL <0.042	BRL <0.042	✓				Sample had > 40% difference between primary and confirmation columns.			✓		✓	Higher of two columns reported but data flagged as estimated.	✓				✓
142678	142678-78	124355	S50	6/14/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.086	0.067	BRL <0.041	BRL <0.041	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-79	124356	S51	6/14/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.057	0.052	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
[redacted]78	142678-80	124357	S52	6/14/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
78	142678-81	124358	S53	6/14/2011	0-3"	BRL <1	BRL <1	BRL <1	BRL <1	6.3	BRL <1.0	BRL <1	BRL <1	BRL <1	✓				Sample did not have measurable surrogate recoveries due to required sample dilution prior to analysis.			✓		✓	RLs > CAM recommended RLs but still less than Method 1 criteria. Data flagged as estimated.		✓[E]	✓[E]		
142678	142678-82	124359	S54	6/14/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.17	BRL <0.04	0.064	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-83	124360	S55	6/14/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.099	0.11	BRL <0.04	BRL <0.04	✓				Sample had > 40% difference between primary and confirmation columns.			✓		✓	Higher of two columns reported but data flagged as estimated.	✓				✓
142678	142678-84	124361	S56	6/14/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.067	0.065	BRL <0.041	BRL <0.041	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-85	124362	S57	6/14/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.081	0.085	BRL <0.041	BRL <0.041	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-86	124363	S58	6/14/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.11	0.084	BRL <0.041	BRL <0.041	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-87	124364	S59	6/14/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.063	0.053	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓
142678	142678-88	124365	S60	6/14/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.052	0.08	BRL <0.041	BRL <0.041	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓	Not applicable.	✓				✓

Table F.1 Data Qualification Summary for Soil Samples from Estabrook School, 117 Grove Street, Lexington, Massachusetts

Sample Delivery Group	Laboratory ID	Sample ID	Map Location	Date Acquired	Sample Depth	Arocior Concentration (ppm_w)									Type of Analytical Data				Laboratory QA/QC Data Qualifications (if applicable)	Data Qualification Action Taken (if applicable)						Data Qualification Notes	Data Used For:				
						1016	1221	1232	1242	1248	1254	1260	1262	1268	CAM Compliant	CAM Non-Compliant	Non-CAM	Pre-CAM		High Bias	Low Bias	Data Flagged as Estimated	Data Rejected	Data Used as Reported		Disposal Site Boundary	Presence or Absence Only	Extent of Contamination	Exposure Point Concentration	Support for RAO
						Result	Result	Result	Result	Result	Result	Result	Result	Result																	
142678	142678-89	124366	S61	6/14/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.073	0.11	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
142678	142678-90	124367	S62	6/14/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.09	0.076	BRL <0.041	BRL <0.041	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
	142678-91	124368	S63	6/14/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.069	0.052	BRL <0.04	BRL <0.04	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
	142678-92	124369	S64	6/14/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL < 04	BRL <0.04	BRL <0.04	BRL <0.04	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
	143394-01	125376	SF17	7/13/2011	0-3"	BRL <0.054	BRL <0.054	BRL <0.054	BRL <0.054	BRL <0.054	0.14	BRL <0.054	BRL <0.054	BRL <0.054	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
	143394-02	125377	SF19A	7/13/2011	0-3"	BRL <0.052	BRL <0.052	BRL <0.052	BRL <0.052	BRL <0.052	0.074	BRL <0.052	BRL <0.052	BRL <0.052	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-03	125378	SF19B	7/13/2011	3-6"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.25	BRL <0.045	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-04	125379	SF21A	7/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-05	125380	SF21B	7/13/2011	3-6"	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	BRL <0.042	0.063	BRL <0.042	BRL <0.042	BRL <0.042	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-06	125381	SF22A	7/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-07	125382	SF22A-D	7/13/2011	0-3"	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	BRL <0.046	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-08RA1	125383	SF22B	7/13/2011	3-6"	BRL <0.21	BRL <0.21	BRL <0.21	BRL <0.21	1	0.43	BRL <0.21	BRL <0.21	BRL <0.21	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		No action necessary due to dilution. All samples within QC Batch potentially biased high.			✓E		
143394	143394-10	125386	SF23A	7/13/2011	0-3"	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	BRL <0.045	0.07	BRL <0.045	BRL <0.045	BRL <0.045	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-11	125387	SF23B	7/13/2011	3-6"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.3	0.22	BRL <0.041	BRL <0.041	BRL <0.041	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-12	125388	SF7A	7/13/2011	0-3"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.097	BRL <0.041	BRL <0.041	BRL <0.041	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-14	125389	SF7B	7/13/2011	3-6"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	0.1	BRL <0.041	BRL <0.041	BRL <0.041	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-15RA1	125390	SF33A	7/13/2011	0-3"	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	BRL <0.047	1.4	BRL <0.047	BRL <0.047	BRL <0.047	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		No action necessary due to dilution. All samples within QC Batch potentially biased high.			✓E		
143394	143394-16RA1	125391	SF33B	7/13/2011	3-6"	BRL <.210	BRL <.210	BRL <.210	BRL <.210	BRL <.210	0.9	BRL <.210	BRL <.210	BRL <.210					Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		No action necessary due to dilution. All samples within QC Batch potentially biased high.	✓				✓
143394	143394-17	125392	SF53A	7/13/2011	0-3"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	0.1	BRL <0.04	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
143394	143394-18	125393	SF53B	7/13/2011	3-6"	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	BRL <0.041	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
143394	143394-21	125396	S53B-D	7/13/2011	3-6"	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	BRL <0.04	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
143394	143394-22	125397	SF35	7/13/2011	0-3"	BRL <0.053	BRL <0.053	BRL <0.053	BRL <0.053	BRL <0.053	0.27	BRL <0.053	BRL <0.053	BRL <0.053	✓				MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		All samples within QC Batch potentially biased high.	✓				✓
143394	143394-23RA1	125398	SF38	7/13/2011	0-3"	BRL <0.13	BRL <0.13	BRL <0.13	BRL <0.13	BRL <0.13	0.43	BRL <0.13	BRL <0.13	BRL <0.13	✓				Sample diluted prior to analysis. MS/MSD above recommended limits due to multiple Aroclors native to the samples.	✓				✓		No action necessary due to dilution. All samples within QC Batch potentially biased high.	✓				✓
L1113011	L1113011-01	126736	SE1	8/22/2011	6"	BRL <0.0339	BRL <0.0339	BRL <0.0339	0.0543	BRL <0.0339	BRL <0.0339	BRL <0.0339	BRL <0.0339	BRL <0.0339	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-02	126737	SE1	8/22/2011	6"	BRL <0.0337	BRL <0.0337	BRL <0.0337	0.0674	BRL <0.0337	BRL <0.0337	BRL <0.0337	BRL <0.0337	BRL <0.0337	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-20	126759	SE2	8/22/2011	6"	BRL <0.0339	BRL <0.0339	BRL <0.0339	BRL <0.0339	BRL <0.0339	0.308	0.178	BRL <0.0339	BRL <0.0339	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-03	126740	SE3	8/22/2011	6"	BRL <0.0367	BRL <0.0367	BRL <0.0367	BRL <0.0367	BRL <0.0367	BRL <0.0367	BRL <0.0367	BRL <0.0367	BRL <0.0367	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-04	126741	SE4	8/22/2011	6"	BRL <0.0353	BRL <0.0353	BRL <0.0353	BRL <0.0353	BRL <0.0353	BRL <0.0353	BRL <0.0353	BRL <0.0353	BRL <0.0353	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-05	126742	SE5	8/22/2011	6"	BRL <0.0348	BRL <0.0348	BRL <0.0348	BRL <0.0348	0.0639	BRL <0.0348	0.0399	BRL <0.0348	BRL <0.0348	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-06	126743	SE6	8/22/2011	6"	BRL <0.0364	BRL <0.0364	BRL <0.0364	0.0836	BRL <0.0364	BRL <0.0364	0.0491	BRL <0.0364	BRL <0.0364	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-07	126744	SE7	8/22/2011	6"	BRL <0.0361	BRL <0.0361	BRL <0.0361	BRL <0.0361	BRL <0.0361	BRL <0.0361	BRL <0.0361	BRL <0.0361	BRL <0.0361	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-08	126745	SE8	8/22/2011	6"	BRL <0.037	BRL <0.037	BRL <0.037	BRL <0.037	BRL <0.037	BRL <0.037	BRL <0.037	BRL <0.037	BRL <0.037	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-09	126746	SE9	8/22/2011	6"	BRL <0.0357	BRL <0.0357	BRL <0.0357	BRL <0.0357	BRL <0.0357	BRL <0.0357	BRL <0.0357	BRL <0.0357	BRL <0.0357	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-10	126747	SE9	8/22/2011	6"	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-11	126748	SE10	8/22/2011	6"	BRL <0.0382	BRL <0.0382	BRL <0.0382	BRL <0.0382	0.12	BRL <0.0382	BRL <0.0382	BRL <0.0382	BRL <0.0382	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-12	126749	SE11	8/22/2011	6"	BRL <0.0392	BRL <0.0392	BRL <0.0392	BRL <0.0392	0.0633	BRL <0.0392	BRL <0.0392	BRL <0.0392	BRL <0.0392	✓				LCS/LCSD recoveries above recommended limits so sample re-extracted. Both results reported (see re-extraction results below).	✓				✓		Not applicable.	✓				✓
L1113011	L1113011-12 RE	126749	SE11	8/22/2011	6"	BRL <0.0379	BRL <0.0379	BRL <0.0379	BRL <0.0379	BRL <0.0379	BRL <0.0379	BRL <0.0379	BRL <0.0379	BRL <0.0379					No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
011	L1113011-13	126750	SE12	8/22/2011	6"	BRL <0.0356	BRL <0.0356	BRL <0.0356	BRL <0.0356	BRL <0.0356	BRL <0.0356	BRL <0.0356	BRL <0.0356	BRL <0.0356	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
11	L1113011-14	126751	SE13	8/22/2011	9"	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	BRL <0.0359	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
011	L1113011-15	126754	SE14	8/22/2011	6"	BRL <0.0368	BRL <0.0368	BRL <0.0368	BRL <0.0368	BRL <0.0368	BRL <0.0368	BRL <0.0358	BRL <0.0368	BRL <0.0368	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-16	126755	SE15	8/22/2011	6"	BRL <0.036	BRL <0.036	BRL <0.036	BRL <0.036	BRL <0.036	BRL <0.036	BRL <0.036	BRL <0.036	BRL <0.036	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-17	126756	SE16	8/22/2011	6"	BRL <0.035	BRL <0.035	BRL <0.035	BRL <0.035	BRL <0.035	BRL <0.035	BRL <0.035	BRL <0.035	BRL <0.035	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-18	126757	SE17	8/22/2011	6"	BRL <0.0344	BRL <0.0344	BRL <0.0344	BRL <0.0344	BRL <0.0344	BRL <0.0344	BRL <0.0344	BRL <0.0344	BRL <0.0344	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113011	L1113011-19	126758	SE18	8/22/2011	6"	BRL <0.0336	BRL <0.0336	BRL <0.0336	BRL <0.0336	BRL <0.0336	BRL <0.0336	BRL <0.0336	BRL <0.0336	BRL <0.0336	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-01	126760	SE19	8/23/2011	6"	BRL <0.0389	BRL <0.0389	BRL <0.0389	BRL <0.0389	BRL <0.0389	0.43	0.306	BRL <0.0389	BRL <0.0389	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-02	126761	SE20	8/23/2011	6"	BRL <0.0364	BRL <0.0364	BRL <0.0364	BRL <0.0364	BRL <0.0364	0.319	0.269	BRL <0.0364	BRL <0.0364	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-03	126762	SE21	8/23/2011	6"	BRL < 0.0381	BRL < 0.0381	BRL < 0.0381	BRL < 0.0381	BRL < 0.0381	BRL <	BRL < 0.0381	BRL < 0.0381	BRL < 0.0381	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-04	126763	SE21	8/23/2011	6"	BRL <0.0374	BRL <0.0374	BRL <0.0374	BRL <0.0374	BRL <0.0374	BRL <0.0374	BRL <0.0374	BRL <0.0374	BRL <0.0374	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-05	126766	SE22	8/23/2011	6"	BRL <0.0369	BRL <0.0369	BRL <0.0369	BRL <0.0369	BRL <0.0369	BRL <0.0369	BRL <0.0369	BRL <0.0369	BRL <0.0369	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-06	126767	SE23	8/23/2011	6"	BRL <0.0421	BRL <0.0421	BRL <0.0421	BRL <0.0421	BRL <0.0421	BRL <0.0421	BRL <0.0421	BRL <0.0421	BRL <0.0421	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-07	126768	SE23	8/23/2011	6"	BRL <0.0422	BRL <0.0422	BRL <0.0422	BRL <0.0422	BRL <0.0422	BRL <0.0422	BRL <0.0422	BRL <0.0422	BRL <0.0422	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-08	126771	SE24	8/23/2011	6"	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	BRL <0.043	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-09	126772	SE25	8/23/2011	6"	BRL <0.0412	BRL <0.0412	BRL <0.0412	BRL <0.0412	BRL <0.0412	BRL <0.0412	BRL <0.0412	BRL <0.0412	BRL <0.0412	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-10	126773	SE26	8/23/2011	6"	BRL <0.188	BRL <0.188	BRL <0.188	BRL <0.188	BRL <0.188	0.84	BRL <0.188	BRL <0.188	BRL <0.188	✓				Elevated detection limits due to sample dilution.					✓		Laboratory reviewed chromatogram and reported no estimated values present below RLs.	✓			✓	
L1113105	L1113105-11	126774	SE27	8/23/2011	6"	BRL <0.0396	BRL <0.0396	BRL <0.0396	BRL <0.0396	BRL <0.0396	BRL <0.0396	BRL <0.0396	BRL <0.0396	BRL <0.0396	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-12	126775	SE28	8/23/2011	6"	BRL <0.0373	BRL <0.0373	BRL <0.0373	BRL <0.0373	BRL <0.0373	BRL <0.0373	BRL <0.0373	BRL <0.0373	BRL <0.0373	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-13	126776	SE29	8/23/2011	6"	BRL <0.0383	BRL <0.0383	BRL <0.0383	BRL <0.0383	BRL <0.0383	BRL <0.0383	BRL <0.0383	BRL <0.0383	BRL <0.0383	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-14	126777	SE30	8/23/2011	6"	BRL <0.0416	BRL <0.0416	BRL <0.0416	BRL <0.0416	BRL <0.0416	BRL <0.0416	BRL <0.0416	BRL <0.0416	BRL <0.0416	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-15	126778	SE31	8/23/2011	6"	BRL <0.0392	BRL <0.0392	BRL <0.0392	BRL <0.0392	BRL <0.0392	BRL <0.0392	BRL <0.0392	BRL <0.0392	BRL <0.0392	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-16	126779	SE32	8/23/2011	6"	BRL <0.0411	BRL <0.0411	BRL <0.0411	BRL <0.0411	BRL <0.0411	BRL <0.0411	BRL <0.0411	BRL <0.0411	BRL <0.0411	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-17	126780	SE33	8/23/2011	6"	BRL <0.0417	BRL <0.0417	BRL <0.0417	BRL <0.0417	BRL <0.0417	BRL <0.0417	BRL <0.0417	BRL <0.0417	BRL <0.0417	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-18	126781	SE34	8/23/2011	6"	BRL <0.0358	BRL <0.0358	BRL <0.0358	BRL <0.0358	0.143	BRL <0.0358	BRL <0.0358	BRL <0.0358	BRL <0.0358	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-19	126782	SE35	8/23/2011	6"	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓
L1113105	L1113105-20	126783	SE36	8/23/2011	6"	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	BRL <0.0365	✓				No significant laboratory data QA/QC qualifications reported for these data.					✓		Not applicable.	✓				✓

ppm_w parts per million by weight
BRL Concentration is below reporting limit for analyte

* Duplicate pair with greater than 45% variability
All soil samples collected using hand tools.
All soil samples analyzed using EPA Method 8082 with Soxhlet Extraction.
1C: Confirmation concentration reported from first column quantification.
2C: Confirmation concentration reported from second column quantification.
✓E Indicates results at this location are no longer representative of Site conditions because soil from 0" - 6" was excavated as part of remedial response actions.

G

APPENDIX G

EPA APPROVAL AND NOTIFICATION LETTERS

ENVIRONMENTAL
HEALTH & ENGINEERING

Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA
02494-2725
TEL 800-825-5343
781-247-4300
FAX 781-247-4305
www.eheinc.com

August 16, 2011

Mr. Gerard Cody
Health Director
Town of Lexington
1625 Massachusetts Avenue
Lexington, MA 02420

RE: Written Notification for Removal of PCB-Containing Soils at the Estabrook Elementary School, 117 Grove Street, Lexington, Massachusetts (EH&E 17228)

Dear Mr. Cody:

To fulfill notification requirements of the U.S. Environmental Protection Agency Title 40 Code of Federal Regulations Section 761.61(a)(3)(i) and the Massachusetts Department of Environmental Protection Title 310 Code of Massachusetts Regulations Section 40.1403 (3), please find the enclosed work plan for the removal of polychlorinated biphenyls (PCB) found in soil located at the Estabrook Elementary School, 117 Grove Street, Lexington, Massachusetts.

Work will be completed no later than August 30, 2011, and is expected to begin the week of August 15. EH&E anticipates active soil removal activities to take up to two days.

If you have any questions, please feel free to contact us at 1-800-TALK EHE (1-800-825-5343).

Sincerely,

Karrie Myer
Staff Scientist

Cynthia D. Campisano, M.S., PG
Senior Scientist

Enclosure

cc Kimberly Tisa, PCB Coordinator, U.S. Environmental Protection Agency

(via FedEx Overnight Delivery)

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117 Fourth Avenue
Needham, MA
02494-2725
TEL 800-825-5343
781-247-4300
FAX 781-247-4305
www.eheinc.com

August 16, 2011

Mr. Carl F. Valente
Town Manager
Town of Lexington
1625 Massachusetts Avenue
Lexington, MA 02420

RE: Written Notification for Removal of PCB-Containing Soils at the Estabrook Elementary School, 117 Grove Street, Lexington, Massachusetts (EH&E 17228)

Dear Mr. Valente:

To fulfill notification requirements of the U.S. Environmental Protection Agency Title 40 Code of Federal Regulations Section 761.61(a)(3)(i) and the Massachusetts Department of Environmental Protection (MADEP) Title 310 Code of Massachusetts Regulations Section 40.1403 (3), this letter is being sent to provide notification that a work plan was submitted to MADEP and the Lexington Board of Health detailing the removal of polychlorinated biphenyls (PCB) found in soil located at the Estabrook Elementary School, 117 Grove Street, Lexington, Massachusetts.

Work will be completed by August 30, 2011, and is expected to begin the week of August 15. EH&E anticipates active soil removal activities to take up to two days.

If you have any questions, please feel free to contact us at 1-800-TALK EHE (1-800-825-5343).

Sincerely,

Karrie Myer
Staff Scientist

Cynthia D. Campisano, M.S., PG
Senior Scientist

cc Kimberly Tisa, PCB Coordinator, U.S. Environmental Protection Agency

(via email and FedEx Express Saver Delivery)

ENVIRONMENTAL
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117 Fourth Avenue
Needham, MA
02494-2725
TEL 800-825-5343
781-247-4300
FAX 781-247-4305
www.eheinc.com

August 16, 2010

Mr. Michael Hurley
Bureau of Waste Prevention
Massachusetts Department of Environmental Protection
One Winter Street
Boston, MA 02108

RE: Written Notification for Removal of PCBs in Soil at the Estabrook Elementary School, 117 Grove Street, Lexington, Massachusetts (EH&E 17228)

Dear Mr. Hurley:

To fulfill notification requirements of the U.S. Environmental Protection Agency Title 40 Code of Federal Regulations Section 761.61(a)(3)(i) and the Massachusetts Department of Environmental Protection Title 310 Code of Massachusetts Regulations Section 40.1403 (3), please find the enclosed work plan for the removal of polychlorinated biphenyls (PCB) found in soils located at the Estabrook Elementary School, 117 Grove Street, Lexington, Massachusetts.

Work will be completed by August 30, 2011, and is expected to begin the week of August 15. EH&E anticipates active soil removal activities to take up to two days.

If you have any questions, please feel free to contact us at 1-800-TALK EHE (1-800-825-5343).

Sincerely,

Karrie Myer
Staff Scientist

Cynthia D. Campisano, M.S., PG
Senior Scientist

Enclosure

cc Kimberly Tisa, PCB Coordinator, U.S. Environmental Protection Agency

(via FedEx Overnight Delivery)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

AUG 1 8 2011

Patrick W. Goddard, Director of Public Facilities
Town of Lexington
201 Bedford Street
Lexington, Massachusetts 02420

Re: PCB Cleanup and Disposal Approval under §§ 761.61(a) and (c)
Estabrook Elementary School, Lexington, Massachusetts

Dear Mr. Goddard:

This is in response to the Town of Lexington Notification[1] to address PCB-contaminated soils on the property known as the Estabrook Elementary School, 117 Grove Street, Lexington, Massachusetts (the Site). The Site contains PCB-contaminated soils that exceed the allowable PCB levels for unrestricted use under the federal PCB regulations at 40 CFR § 761.61(a). The Town has requested an approval to clean up and dispose of the PCB-contaminated soils located at the Site under the PCB self-implementing cleanup and disposal option (SIP) at 40 CFR § 761.61(a).

In its Notification, the Town is proposing to remove and dispose of PCB-contaminated soils with greater than (>) 1 part per million (ppm). Post-excavation verification sampling will be conducted in accordance with 40 CFR Part 761, Subpart O to confirm that the PCB cleanup standard of less than or equal to ($\leq$) 1 ppm has been met.

With the exception of the sampling frequency for disposal, the Town's Notification meets the requirements at § 761.61(a)(3). Based on the characterization sampling results and the proposed PCB soil cleanup plan, the characterization sampling is adequate to determine the PCB concentrations for purposes of off-site disposal. EPA has determined that disposal of the soil based on the alternative sampling will not result in an unreasonable risk to public health or the environment. EPA applies this unreasonable risk standard in accordance with the PCB regulations at 40 CFR § 761.61(c), and the Toxic Substances Control Act, at 15 USC § 2605(e).

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[1] Information was submitted on behalf of the Town by Environmental Health & Engineering. The information was provided to satisfy the notification requirement under 40 CFR § 761.61(a)(3). Information was provided dated August 5, 2011 (SIP) and August 16, 2011 (e-mail agency notifications) and shall be referred to as the "Notification."

The Town may proceed with its cleanup in accordance with §§ 761.61(a) and (c); its Notification; and this Approval, subject to the conditions of Attachment 1.

This Approval applies solely to *PCB remediation waste* located at the Site as identified in the Notification. This Approval does not address cleanup of PCBs or mitigation measures associated with the Site building, which is being evaluated separately.

This Approval does not release the Town from any applicable requirements of federal, state or local law, including the requirements related to cleanup and disposal of PCB-contaminated soils under the Massachusetts Department of Environmental Protection (MassDEP) regulations and the Massachusetts Contingency Plan.

Questions and correspondence regarding this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,

James T. Owens III, Director
Office of Site Remediation & Restoration

Attachment 1

cc: C. Campisano, EH&E
MassDEP NERO RTN: 3-29547
File